

МГТУ им. Н. Э. Баумана, кафедра ИУ5
курс “Разработка интернет-приложений”

Лабораторная работа №6 JS. REACT

Москва 2018

Задание

- Построить реакт приложение по лекциям 11,12 по курсу РИП
- Разобраться с webpack,babel, лоадерами, webpackdevserver, hot load технологией

Выполнение ЛР

```
import React from 'react';
import ReactDOM from 'react-dom';
import {AppContainer} from "react-hot-loader";
import App from './components/App/App';
ReactDOM.render(
  <AppContainer>
    <App/>
  </AppContainer>,
  document.getElementById('root')
);
if( module.hot)
{
  module.hot.accept();
}

import React from 'react';
import './styles.css';
class App2 extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      titleColor: 'red',
      repos: []
    };
    this.onButtonClick = this.onButtonClick.bind(this);
    this.counter = true
    render()
    {
      return (
        <div>
          <Title color={this.state.titleColor}/>
          {this.state.isLoading && <div>Загрузка...</div>}
          {
            this.state.repos.map((repo, i) => <ListItem key={i}
repo={repo}/>)
          }
          <div className="img"/>
          <div className="button" onClick={this.onButtonClick}>
            Push
          </div>
        </div>
      )
    }
  }
}
export default App2;
```

```
import React from 'react';
```

```

import './styles.css';
import Title from './components/Title/Title';
import ListItem from './components/ListItem/ListItem';
import axios from 'axios';
class App extends React.Component{
  constructor(props){
    super(props);
    this.state={
      titleColor: 'red',
      repos: []
    };
    this.onButtonClick = this.onButtonClick.bind(this);
    this.counter = true
  }
  onButtonClick(){
    if(this.counter) {
      this.setState(
        {
          titleColor: 'blue'
        }
      );
      this.counter = false;
    }
    else{
      this.setState(
        {
          titleColor: 'red'
        }
      );
      this.counter = true;
    }
  }
  componentDidMount() {
    this.setState(
      {
        isLoading: true
      }
    );
    axios.get('https://api.github.com/users/AVasilyev1998/repos').then(
      response =>
      {
        this.setState({
          repos: response.data,
          isLoading: false
        })
      },
      error => {
        this.setState({
          isLoading: false
        })
      }
    )
  }
  render(){
    return(
      <div>
        <Title color={this.state.titleColor}/>

```

```

        {this.state.isLoading && <div>Загрузка...</div>}
        {
            this.state.repos.map((repo,i) => <ListItem key={i} repo={repo}/>)
        }
        <div className="img"/>
        <div className="button" onClick={this.onButtonClick}>
            Push
        </div>
    </div>
)
}
}
export default App;

```

```

import React from 'react';
import './styles.css';
import PropTypes from 'prop-types';
const Title = props =>{
    const className = `title title_${props.color}`;
    return(
        <div className={className}>
            My first React App! Some text
        </div>
    )
}
Title.propTypes = {
    color: PropTypes.oneOf(['blue','red']) // допустимые цвета
};
Title.defaultProps = {
    color : 'blue'
};
export default Title;

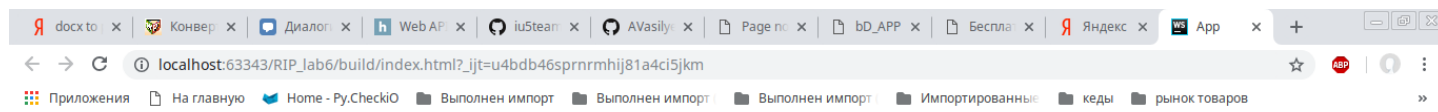
```

```

import React from 'react';

import './list.css';
export default class extends React.Component{
    render() {
        const repo = this.props.repo;
        return(
            <li className="li_element">
                <a
                    href={ repo.html_url}
                    target="_blank"
                    className="list"
                >
                    {repo.name}
                </a>
            </li>
        );
    }
}

```



Real troubles man

Some REAL TROUBLES!

